



COURSE DATASHEET

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| Semester: | 2014/15/1 |
| Course: | Molecular Biology. Laboratory practice |
| Code: | VEMKLIB333M |
| Responsible department: | Department of Limnology |
| Department code: | MKLI |
| Responsible instructor: | dr. Nóra Kováts |

Course objectives:

To show the contexts of intraindividual biology at deeper, molecular level through practical methods of investigating.

Course content:

1. Introduction, equipments, tools. Lab safety 2. Genes in a Bottle 3. Forensic DNA Fingerprinting 4. Crime Scene Investigator PCR Basics 5. PCR Informatics 6. GMO Investigator 7. Elisa Immuno Explorer 8. Comparative Proteomics

Requirements, evaluation and grading:

Presentation of lab notes + the result of 2 written examinations (

Required and recommended readings:

Szeberényi J.: Molekuláris sejtbiológia. Dialóg Campus Kiadó, 2004. Bálint M: Molekuláris biológia I-II. Műszaki Könyvkiadó, 2000. Bálint M: Molekuláris biológia III. Nemzeti Tankönyvkiadó, 2002. GM Cooper, RE Hausman. The Cell. A Molecular Approach. ASM Press, 2007. Virtual text: Molecular biology. www.ergito.com